



Biomass-fired Plants

AET's objective is to supply customers with the best long-term solution in the biomass-fired plant market; irrespective of whether this is for a boiler plant, a power plant or a combined heat and power plant.

AET supplies and services biomass-fired boilers as well as turnkey plants. For all our plants, we focus on process integration, heat balance optimisation, high efficiency, very high availability, high fuel flexibility and open, efficient and proactive cooperation.

We believe that the above advantages, combined with a solid track record, will result in a sound project and a favourable business case for our customers.

Overview of some of the AET references							
Plant	Type*	Fuel type	Fuel amount	Fuel heat input	Boiler parameters	Power output	Heat**
PowerCrop-Russi (IT)	PP	Clean wood	270,000 t/y	84 MW _{th}	122 bara, 542 C	30 MW _e	-
Akuo - CBN (FR)	CHP	Clean wood	190,000 t/y	63 MW _{th}	122 bara, 527 C	20 MW _e	24 MW _t
JG Pears - Newark (UK)	CHP	Meat and bone meal	80,000 t/y	42 MW _{th}	102 bara, 482 C	12 MW _e	20 MW _t
Tilbury Green Energy (UK)	PP	Waste Wood	270,000 t/y	125 MW _{th}	90 bara, 477 C	40 MW _e	-
Østkraft (DK)	CHP-DH	Clean wood, coal, oil		54/74/106	80 bara, 525 C	37 MW _e	35 MW _{th}
Cofely - Biolaçq Energies (FR)	CHP	Clean wood	160,000 t/y	54 MW _{th}	120 bara, 525 C	12 MW _e	38 MW _t
Cofely - BES VSG (FR)	CHP	Clean wood, Dertal	150,000 t/y	50 MW _{th}	120 bara, 525 C	17 MW _e	25 MW _t
Cofely - SODC Orleans (FR)	CHP-DH	Clean wood	115,000 t/y	37 MW _{th}	120 bara, 525 C	8 MW _e	25 MW _{th}
Rothes CoRDe Ltd (UK)	CHP	Clean wood, distillery by-product (draff)	175,000 t/y	34 MW _{th}	80 bara, 450 C	8,3 MW _e	8,0 MW _t
Zignago Power (IT)	CHP-DH	Clean wood, agro waste	145,000 t/y	49 MW _{th}	92 bara, 522 C	17,9 MW _e	4,5 MW _{th}
Cofely - BCN (FR)	CHP	Clean wood	165,000 t/y	55 MW _{th}	92 bara, 512 C	9 MW _e	36 MW _t
Verdo - Randers (DK)	CHP-DH	Clean wood, dust, coal	300,000 t/y	2x95 MW _{th}	111 bara, 525 C	52 MW _e	110 MW _{th}
WWEP (UK)	PP	Clean wood	160,000 t/y	48 MW _{th}	92 bara, 512 C	16 MW _e	-
FunderMax - Neudörfel (AT)	CHP	Clean wood, demolition wood (A1-A2), dust	97,000 t/y	50 MW _{th}	80 bara, 455 C	10 MW _e	8 MW _{th}
Linz Mitte (AT)	CHP-DH	Clean wood	70,000 t/y	35 MW _{th}	67 bara, 462 C	9 MW _e	22 MW _{th}
Schneider - Biopower (DE)	CHP	Clean wood, demolition wood (A1-A2), dust	53,000 t/y	26 MW _{th}	67 bara, 462 C	8 MW _e	8 MW _t
Boehringer Ingelheim (DE)	CHP	Demolition wood (A1- A4)	120,000 t/y	70 MW _{th}	76 bara, 525 C	-	-
Swiss Krono - Heiligenrabe (DE)	CHP	Demolition wood (A1-A4), dust	130,000 t/y	65 MW _{th}	70 bara, 452 C	20 MW _e	10 MW _t
Pfleiderer - Neumarkt (DE)	CHP	Demolition wood (A1-A4), dust	200,000 t/y	100 MW _{th}	67 bara, 450 C	12 MW _e	42 MW _t
Pfleiderer - Gütersloh (DE)	CHP	Demolition wood (A1-A4), dust	120,000 t/y	60 MW _{th}	70 bara, 455 C	17 MW _e	6 MW _t
Egger - Pannovosges (FR)	Heat	Clean wood, demolition wood (A1-A4), dust	92,000 t/y	46 MW _{th}	46 bara, 280 C	-	8 MW _e /33 MW _t
EPR-Glanford (UK)	PP	MBM (formerly poultry litter)	80,000 t/y	50 MW _{th}	67 bara, 450 C	15 MW _e	-

*Type: PP = power plant
CHP = combined heat and power / cogener
CHP-DH = combined heat and power with district heating

**Heat: dh = district heating
t = thermal oil
t = thermal (= steam)

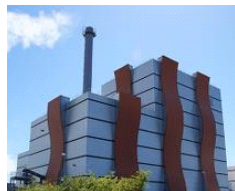
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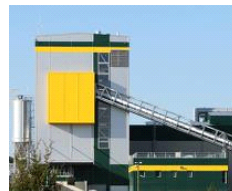
Rothes CoRDe Ltd is a biomass-fired cogeneration plant in Scotland fuelled by a whisky by-product and clean wood.

[Read more about Rothes CoRDe.](#)



The SODC Orléans cogeneration plant supplies district heating to 15,000 homes, equivalent to 27% of the city of Orléans.

[Read more about SODC Orléans](#)



In Landes, France, a 50 MW biomass-fired plant was successfully delivered to Cofely Engie (former GDF SUEZ) in May 2015.

[Read more about BES VSG.](#)



The Biolaçq Energies project, in Laçq, is a biomass-fired CHP plant of 54 MW, that utilises forestry wood, and clean, uncontaminated residues from wood processing.

[Read more about Biolaçq](#)

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Zignago Power s.r.l.—successfully producing Green Energy in Italy

The 49 MW Zignago Biomass power plant in Italy, owned and managed by Zignago Power s.r.l., belonging to the Marzotto family empire, has since its installation in 2013 been running with a very high availability (98,8%). The plant utilises wood residues and agricultural waste such as straw, miscanthus and maize. >Read more

